

For Research Use Only

# CABLES1 Polyclonal antibody

Catalog Number: 13464-1-AP



## Basic Information

<b>Catalog Number:</b> 13464-1-AP	<b>GenBank Accession Number:</b> BC037218	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 91768	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8TDN4	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> Cdk5 and Abl enzyme substrate 1	<b>IF/ICC 1:200-1:800</b>
<b>Immunogen Catalog Number:</b> AG4251	<b>Calculated MW:</b> 568 aa, 63 kDa	
	<b>Observed MW:</b> 68 kDa, 42 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> COLO 205 cells, HT-29 cells, SH-SY5Y cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human colon tissue, mouse pancreas tissue
	<b>IF/ICC :</b> MCF-7 cells, HeLa cells

## Background Information

CDK5 and ABL1 enzyme substrate 1 (CABLES1) is a novel Cdk2, Cdk3, and Cdk5 binding protein, which acts as a link between the Cdk5 and nonreceptor tyrosine kinases and regulates the activity of Cdk5 by enhancing their Y15 phosphorylation. CABLES1 is a candidate tumor suppressor that negatively regulates cell growth by inhibiting cyclin-dependent kinases.

## Storage

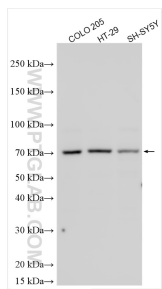
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

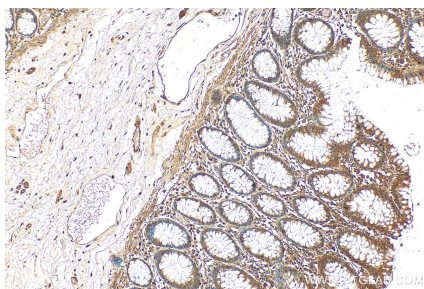
For technical support and original validation data for this product please contact:  
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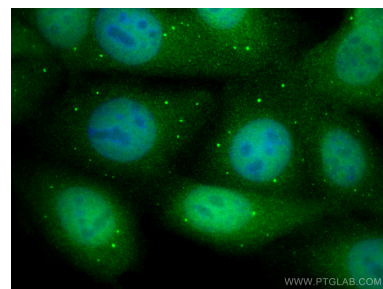
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13464-1-AP (CABLES1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13464-1-AP (CABLES1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CABLES1 antibody (13464-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).